

## SEARCH REQUEST FORM

## Scientific and Technical Information Center

Requester's Full Name: Mark Bockelman Examiner #: 70013 Date: 10-8-2004  
Art Unit: 3762 Phone Number 308-2112 Serial Number: 09/398,854  
Mail Box and Bldg/Room Location: CP2 3402 Results Format Preferred (circle): PAPER DISK E-MAIL

**If more than one search is submitted, please prioritize searches in order of need.**

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Please provide litigation search for  
USPN # 5667504

\*\*\*\*\*

## STAFF USE ONLY

Searcher: Soleman  
Searcher Phone #: 305-5932  
Searcher Location: CP2 2c08  
Date Searcher Picked Up: 10-8-04  
Date Completed: 10-8-04  
Searcher Prep & Review Time: 02  
Clerical Prep Time: \_\_\_\_\_  
Online Time: 4

## Type of Search

NA Sequence (#) \_\_\_\_\_  
AA Sequence (#) \_\_\_\_\_  
Structure (#) \_\_\_\_\_  
Bibliographic \_\_\_\_\_  
Litigation ☒  
Fulltext \_\_\_\_\_  
Patent Family \_\_\_\_\_  
Other \_\_\_\_\_

## Vendors and cost where applicable

STN \_\_\_\_\_  
Dialog \_\_\_\_\_  
Questel/Orbit \$10.17  
Dr. Link \_\_\_\_\_  
Lexis/Nexis  
Sequence Systems \_\_\_\_\_  
WWW/Internet \_\_\_\_\_  
Other (specify) \_\_\_\_\_



# **STIC Search Report**

## **EIC 3700**

**STIC Database Tracking Number: 134789**

**TO: Mark Bockelman  
Location: cp2 3e02  
Art Unit: 3762  
Friday, October 08, 2004**

**Case Serial Number: 09/398854**

**From: Terry Solomon  
Location: EIC 3700  
CP2-2C08  
Phone: 305-5932**

**Terrance.solomon@uspto.gov**

### **Search Notes**

No litigation found on US Pat. 5667504.

Sources: Lexis/Nexis and Questel-Orbit

321638 (08) 5667504 September 16, 1997

Time of Request: October 08, 2004 01:15 PM EDT

Research Information:

Utility, Design and Plant Patents  
patno=5667504

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5667504

September 16, 1997

Process for the adjustment of a switchable flow limiting apparatus, and an apparatus  
operating according to the process

**REISSUE:** Reissue Application filed Sep. 16, 1999 (O.G. Nov. 23, 1999) Ex. Gp.: 3735; Re. S.N. 09/398,854, (O.G. November 23, 1999)

**APPL-NO:** 321638 (08)

**FILED-DATE:** October 11, 1994

**GRANTED-DATE:** September 16, 1997

**ASSIGNEE-AFTER-ISSUE:** November 30, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERMANY, Reel and Frame Number: 007313/0750

November 19, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., TRICUMED MEDIZINTECHNIK GMBH RONTGENSTRASSE 7A KIEL GERMANY D-24143, Reel and Frame Number: 013516/0904

(C) QUESTEL 1994  
QUESTEL.ORBIT (TM) 1998

Selected file: PLUSPAT  
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database

**\*\* SS 1: Results 1**  
**PRT SS 1 MAX 1 LEGALALL**

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

**Patent Number :**

US5667504 A 19970916 [US5667504]

**Title :**

(A) Process for the adjustment of a switchable flow limiting apparatus,  
and an apparatus operating according to the process

**Inventor(s) :**

(A) HINRICHS KAI-JURGEN (DE); PETERS JORG-ROGER (DE); BAUMANN HANS  
(DE); OTTO KARL-HEINZ (DE); GRACZYK WOLFGANG (DE)

**Application Nbr :**

US32163894 19941011 [1994US-0321638]

**Priority Details :**

DE4334247 19931008 [1993DE-4334247]

**Intl Patent Class :**

(A) A61K-009/22

**EPO ECLA Class :**

A61M-005/142M

A61M-005/168F

**US Patent Class :**

ORIGINAL (O) : 604891100; CROSS-REFERENCE (X) : 128903000 604152000

**Document Type :**

Corresponding document

**Citations :**

US4146029; US4731051; US4808089; US4987897; US5089017; AT6592 E;  
EP0128703; DE293055; DE3316934

**Publication Stage :**

(A) United States patent

**Abstract :**

A process and an apparatus for adjustment of a switchable, flow-limiting device for limited flow of liquids or gases employs a remote service device. The flow-limiting device and the service device are spatially separated and there is no bodily connection between the two. Energy necessary for adjustment of the flow-limiting device is transmitted from the service device into an infusion pump that contains the flow-limiting device. The flow-limiting device is a valve having three stable operating positional states. The valve can only be switched while energy is being transmitted from the service device.

1 / 1 LGST - ©EPO

**Patent Number :**

US5667504 A 19970916 [US5667504]

**Application Number :**

US32163894 19941011 [1994US-0321638]

**Action Taken :**

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERM; EFFECTIVE

DATE: 19941007

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: BAUMANN, HANS; EFFECTIVE DATE: 19941007

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: OTTO, KARL-HEINZ; EFFECTIVE DATE: 19941007

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: HINRICHS, KAI-JURGEN; EFFECTIVE DATE: 19941007

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: PETERS, JORG-ROGER; EFFECTIVE DATE: 19941007

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: G; EFFECTIVE DATE: 19941007

19991123 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 19990916

Update Code :

2003-22

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

5,667,504 A 19970916 [US5667504]

Patent Assignee :

Baumann, Hans DE; Graczyk, Wolfgang DE; Hinrichs, Kai-Jurgen DE; Otto,  
Karl-Heinz DE; Peters, Jorg-Roger DE

Actions :

19941130 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: BAUMANN, HANS DATE SIGNED: 10/07/1994

OTTO, KARL-HEINZ DATE SIGNED: 10/07/1994

HINRICHS, KAI-JURGEN DATE SIGNED: 10/07/1994

PETERS, JORG-ROGER DATE SIGNED: 10/07/1994

GRACZYK, WOLFGANG DATE SIGNED: 10/07/1994

Assignee: CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERMANY

Reel 007313/Frame 0750

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19990916 REISSUE REQUESTED

ISSUE DATE OF O.G.: 19991123

REISSUE REQUEST NUMBER: 09/398854

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3735

Reissue Patent Number:

20021119 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: CARL-ZEISS-STIFTUNG DATE SIGNED: 09/14/1999

Assignee: TRICUMED MEDIZINTECHNIK GMBH RONTGENSTRASSE 7A KIEL GERMANY  
D-24143

Reel 013516/Frame 0904

Contact: M. ROBERT KESTENBAUM 11011 BERMUDA DUNES NE ALBUQUERQUE, NM  
87111

20030714 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: TRICUMED MEDIZINTECHNIK GMBH, DATE SIGNED: 05/13/2003

Assignee: CODMAN NEURO SCIENCES SARL, RUE GIRADET 29, LE LOCLE,  
SWITZERLAND, CH-2400

Reel 014250/Frame 0707

Contact: M. ROBERT KESTENBAUM, 11011 BERMUDA DUNES NE, ALBUQUERQUE, NM  
87111

Session finished: 08 OCT 2004 Time 19:17:40  
QUESTEL.ORBIT thanks you. Hope to hear from you again soon.

L Number	Hits	Search Text	DB	Time stamp
1	401	307/\$.ccls. and 455/\$.ccls.	USPAT	2004/10/08 16:59
2	4119	remote near3 control same valve	USPAT	2004/10/08 17:00
3	18	remote near3 control same valve same rf	USPAT	2004/10/08 17:02
4	9	remote near3 control same pump same rf	USPAT	2004/10/08 17:02
5	0	remote near3 control same pump same radiofrequency	USPAT	2004/10/08 17:03
6	71	remote near3 control same pump same radio	USPAT	2004/10/08 17:06
7	128	remote near3 control same valve same radio	USPAT	2004/10/08 17:12
8	416	pump same telemetry	USPAT	2004/10/08 17:13

09/398,854